

Amendments to the Claims

1. (currently amended) A method comprising:

obtaining a scanned handwritten command mark written with a conventional writing implement onto a conventional medium, wherein the conventional writing implement includes at least one of a pen and pencil and wherein the conventional medium includes at least one of a piece of paper, cardboard, plastic, metal, or cloth; and

recognizing the scanned handwritten command mark as a command that may be executed by a processor, wherein the scanned handwritten command mark is recognized only if the scanned handwritten command mark is placed on a specified area of the conventional medium.

2. (currently amended) The method of claim 1, wherein the scanned handwritten command mark comprises one of a notational, transformational and operational mark.

3. (currently amended) The method of claim 1 2, wherein recognizing comprises:

recognizing a pattern associated with the scanned handwritten command mark based on one of a statistical model, a neural network model, and a Hidden Markov model.

4. (currently amended) The method of claim 3 2, wherein recognizing further comprises:

applying heuristic techniques to enhance accuracy of the pattern recognition, the heuristic techniques being based on previous interpretations of a command mark.

5. (cancelled)

6. (currently amended) The method of claim 1, further comprising obtaining secondary command marks handwritten on the conventional medium, wherein the scanned handwritten command mark is recognized before the secondary command marks are recognized as executable commands.

7. (currently amended) The method of claim 1 2, wherein the medium includes pre-printed text, wherein when the recognized command mark is executed, the pre-printed text is affected.

8. (currently amended) The method of claim 1 2, further comprising:
executing the recognized command in the processor.

9. (currently amended) The method of claim 1 2, further comprising:
storing the recognized command in memory.

10. (currently amended) A method comprising:
detecting stroke information associated with making a handwritten command mark with a conventional writing implement on a conventional medium, wherein the conventional writing implement includes at least one of a pen and pencil and wherein the conventional medium includes at least one of a piece of paper, cardboard, plastic, or cloth; and

recognizing the handwritten command mark as a command that may be executed by a computer processor, wherein the handwritten command mark is recognized only if the handwritten command mark is placed on a specified area of the conventional medium.

11. (currently amended) The method of claim 10, wherein the handwritten command mark comprises one of a notational, transformational and operational mark.

12. (currently amended) The method of claim 10 ~~11~~, wherein recognizing comprises:
recognizing a pattern associated with the stroke information based on one of a statistical model, a neural network model, and a Hidden Markov model.

13. (currently amended) The method of claim 12 ~~11~~, wherein recognizing further comprises:

applying heuristic techniques to enhance accuracy of the pattern recognition, the heuristic techniques being based on previous interpretations of a command mark.

14. (cancelled)

15. (currently amended) The method of claim 10, further comprising obtaining secondary command marks written on the conventional medium, wherein the handwritten command mark is recognized before the secondary command marks are recognized as executable commands.

16. (currently amended) The method of claim 10 ~~11~~, further comprising:

executing the recognized command in the processor.

17. (currently amended) The method of claim 10 ~~11~~, further comprising:

storing the recognized command in memory.

18. (currently amended) An article comprising a machine-readable medium that stores machine-executable instructions for recognizing a command mark handwritten with a conventional writing implement onto a conventional medium, wherein the conventional writing implement includes at least one of a pen and pencil and wherein the conventional medium includes at least one of a piece of paper, cardboard, plastic, metal or cloth, the instructions causing a machine to:

recognize the handwritten command mark as a command that may be executed in a processor, wherein the handwritten command mark is recognized only if the handwritten command mark is written on a specific area of the conventional medium.

19. (currently amended) The article of claim 18, wherein the handwritten command mark comprises one of a notational, transformational and operational mark.

20. (currently amended) The article of claim 18 ~~19~~, wherein recognizing comprises recognizing a pattern associated with the handwritten command mark based on one of a statistical model, a neural network model, and a Hidden Markov model.

21. (cancelled)

22. (currently amended) The article of claim ~~18~~ 19, wherein the conventional medium includes pre-printed text, wherein when the recognized handwritten command mark is executed, the pre-printed text is affected.

23. (currently amended) The article of claim ~~18~~ 19, wherein the instructions cause the machine to execute the recognized command.

24. (currently amended) The article of claim ~~18~~ 19, wherein the instructions cause the machine to store the recognized command in memory.

25. (currently amended) ~~A~~ command recognition apparatus ~~for recognizing a command mark written with a conventional writing instrument onto a conventional medium,~~
comprising:

a memory that stores executable instructions; and

a processor that executes the instructions to:

recognize a scanned image of ~~the written~~ a command mark as a command that may be executed by a computer processor, wherein the command mark is handwritten with at least one of a pen and pencil onto a conventional medium, the conventional medium including at least one of a piece of paper, cardboard, plastic, metal, or cloth, wherein the command mark is recognized only if the command mark is written on a specific area of the medium.

26. (currently amended) The apparatus of claim 25 ~~21~~, wherein the command mark comprises one of a notational, transformational and operational mark.

27. (currently amended) The apparatus of claim 25 ~~26~~, wherein the recognized command is executed by the processor.

28. (currently amended) The apparatus of claim 25 ~~26~~, wherein the processor executes instructions to store the recognized command.

29. (currently amended) ~~An~~ command recognition apparatus ~~for recognizing a command mark written with a conventional writing instrument onto a conventional medium,~~ comprising:

a memory that stores executable instructions;

a processor that executes the instructions to:

obtain handwritten stroke data that corresponds to ~~the~~ a ~~written~~ command mark, and

recognize the handwritten stroke data as an executable command, wherein the handwritten stroke data ~~command mark~~ is written onto a surface of a digital ink capture pad and wherein the stroke data is recognized only if the ~~command mark~~ stroke data is written on a specific area of the digital ink capturing device ~~medium~~.

30. (currently amended) The apparatus of claim 29, further comprising:

a digital ink detecting device which detects the handwritten stroke data as the
command mark ~~as stroke data~~.

31. (new) The method of claim 2, wherein the notational mark comprises important
phrases, dates and keywords.

32. (new) The method of claim 2, wherein the operational mark comprises operations to
be performed by the processor.

33. (new) The method of claim 2, wherein the transformational mark comprises
transformations to a specific section of pre-printed text included on the conventional
medium.

34. (new) The method of claim 1, wherein the scanned command mark comprises at least
one of a handwritten alphabetic character and/or a glyph that represents non-verbal
information.

35. (new) The method of claim 10, wherein the conventional writing implement includes
a digital ink capturing device attached to the conventional writing implement.